This page replaces the next page.

DMM 13 Water Waste Prohibitions

The District has limited authority to impose mandatory provisions restricting the wasteful use of water. As a wholesale water supplier, the District developed a set of model water use restrictions in 1989 and 1993 to assist the water retail agencies and cities in the development of their water waste prohibitions. The District works closely with the cities and retailers to encourage adoption and enforcement of the model Water Waste Ordinance. Such restrictions, along with public outreach and education efforts, helped the county reach a water use reduction of over 25 percent in 1991. Water savings continued despite the end of the drought.

§ 26.7. Levy and collection of groundwater charges; rates; new or adjusted charges, reports; notice; hearing; errors

(C) The rate or rates, as applied to operators who produce groundwater above a specified annual amount, may, except in the case of any person extracting groundwater in compliance with a government-ordered program of cleanup of hazardous waste contamination, be subject to prescribed, fixed, and uniform increases in proportion to increases by that operator in groundwater production over the production of that operator for a prior base period to be specified by the board, upon a finding by the board that conditions of drought and water shortage require the increases. The increases shall be related directly to the reduction in the affected zone groundwater levels in the same base period.

In addition, the District Act (Section 26.7) allows the District to develop overproduction charges for groundwater pumping. This provision allows the District the flexibility to provide any necessary incentive required to achieve cooperation on the part of local retail water suppliers, and is quoted left:

Finally, in 2003, the District received a grant from DWR to conduct a pilot water softener rebate program in the county (the District also received some funding from the City of San José). The pilot program was concluded in September 2004 with a total of 400 rebates given to residents in the county.

For the 400 water softeners rebated through this program, the estimated resulting savings is 1.34 million gallons each year. Based on a 20 year equipment life and discounted equipment efficiency, the overall water savings for this program is estimated to be 24 million gallons. Since less water is needed as a result of more efficient softeners, the water providers will need to treat and pump less water for the community, saving an estimated 1,715 kilowatt hours as a result of the program.

After the rebate program was completed, a follow-up survey form was sent to 400 rebate participants for their feedback. Based on 202 participants' responses, District staff found that an estimated 240,000 pounds of salt may be reduced for softener regeneration per year from the pilot study alone, which would otherwise be discharged into the public sewer systems. Other benefits evaluated include customer savings in their water and salt bills.

The District, in partnership with the City of San José, City of Morgan Hill and the City of Gilroy, plans on continuing this program in the future.

ERRATA
THIS PAGE PROVIDES ADDITIONAL INFORMATION TO SUPPLEMENT TABLE 6-1

Table 6-1(b) Projected Sales to Major Retailers in Acre-Feet

Projected Sales to Major Retailers in ACRE-FEET							
Water Distributed	2000[1]	2005	2010	2015	2020	2025	2030
Retailers							
Milpitas, City of	4,851	6,311	6,994	7,582	7,895	8,446	9,109
Mountain View, City of	3,636	3,480	1,070	998	839	944	1,102
Palo Alto, City of	0	987	721	594	302	429	579
Santa Clara, City of	22,564	24,945	25,438	25,915	26,086	27,101	28,280
Sunnyvale, City of	14,149	16,307	15,440	15,017	14,498	14,748	15,109
Morgan Hill	7,408	7,926	8,113	8,832	9,519	10,606	11,842
Great Oaks Water Co. (less CVSP projections)	13,090	13,361	13,176	13,270	13,437	13,857	14,284
California Water Services Co.	15,151	14,446	14,358	14,419	14,336	14,607	16,028
San Jose Water Co.	140,934	153,713	152,099	160,058	168,160	176,874	187,515
Gilroy	7,696	9,527	10,515	10,989	11,405	12,263	13,018
San Jose Municipal Water (less CVSP projections)	14,714	16,994	22,846	25,631	27,575	30,588	32,676
CVSP(2)	0	5,029	7,122	11,215	13,705	16,194	18,508
Total	244,193	273,027	277,891	294,519	307,755	326,656	348,050

Notes

(1) Actual Sales for Year 2000 - All other data are projections.

(2) CVSP area broken out separately since actual retail provider is not known at this time.

3) Projected Sales to retailers are based on demand projections developed by the SCVWD less projected Conservation and SFPUC deliveries to the eight common retailers. Projected SFPUC deliveries are from the retailers UWMPs.

This page replaces the next page. Revised Table 6-3

Table 6-3 Santa Clara County, Supply and Demand Comparison, Dry Year

Santa Clara County, Supply and Demand Comparison, Dry Year					
Source	**-2010-**	**-2015-**	**-2020-**	**-2025-**	**-2030-**
SWP & Semitropic[1]	28,200	28,200	28,200	28,200	28,200
CVP	83,600	83,600	83,600	83,600	83,600
Local Supplies	64,300	64,300	64,300	64,300	64,300
Recycled Water[2]	16,800	21,100	25,000	28,200	31,200
SFPUC[3]	48,500	51,100	52,200	53,400	54,700
Groundwater Reserves	141,300	147,600	152,100	168,100	186,100
Demand w/o Consv Savings[4]	439,500	469,000	495,800	520,900	546,700
Demand After Consv Savings[5]	***382,700***	***395,900***	***405,400***	***425,800***	***448,200***

Notes:

(1) Assumes 258 KAF Semitropic participation level.

(2) Recycled water projections based on estimates provided by county recycled water producers.

(3) Assumes SFPUC's Regional Water Supply Improvement Plan will be completed by 2015.

(4) For comparison with Table 5-3 the 1992-2000 conservation savings of 24,300 af should be subtracted from these amounts to obtain the "Subtotal All Demand" in table 5-3.

(5) Includes standard conservation (no washer program) and additional 28K IWRP Study 2003 "No Regrets" conservation building block.

Figure 6-4 Santa Clara County, Supply and Demand Comparison, Multiple Dry Year

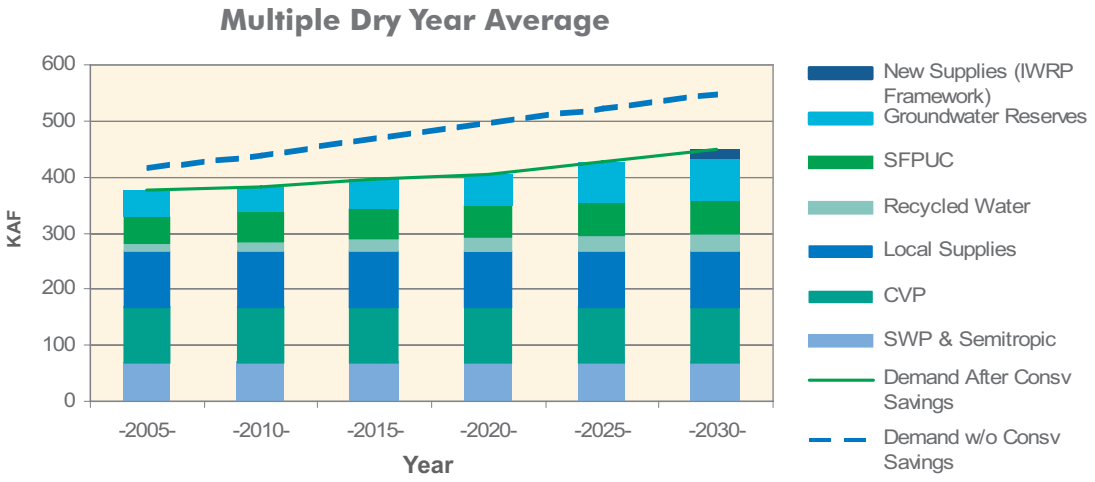

Table 6-5 New Potential Supply Investments

IWRP Study 2003 - Potential Range of Additional Supplies (2011-2020) (over Baseline and "No Regrets" portfolio)	
Recycling	0 to 26,000 acre-feet/year
Desalination	0 to 10,000 acre-feet/year
Surface Storage	0 to 100,000 acre-feet (total capacity)
New Banking	0 to 150,000 acre-feet (total capacity)
Dry Year Transfers	0 to 40,000 acre-feet/year in dry years

6.7.1 North County Supplies - Santa Clara Valley Subbasin

The following sections present a comparison of water demand projections and supplies for North County, Coyote Valley, and South County, corresponding to the three subbasins shown in Figure 3-5. More detailed information on each of the subbasins is presented in the groundwater section of this report.

The Santa Clara Valley groundwater subbasin is in the North County and water supply sources consist of locally developed water, recycled water, and water imported via the State Water Project (SWP), the federal Central Valley Project (CVP), and the City and County of San Francisco's Bay Division Pipelines (SFPUC). The following tables show the amount of required supplies needed to meet projected demand.

Table 6-6 Santa Clara Valley Subbasin, Projected Supplies, Normal Year

Santa Clara Valley Subbasin, Projected Supplies, Normal Year (Acre-feet, rounded to the nearest hundred)					
Source	**-2010-**	**-2015-**	**-2020-(2)**	**-2025-(2)**	**-2030-(2)**
District Supplies(1)	232,100	233,900	235,900	247,000	261,600
SFPUC(3)	64,600	68,900	71,000	72,600	73,000
Other Local	14,200	14,200	14,200	14,200	14,200
Recycled Water(4)	14,300	17,900	21,800	25,000	28,000
Subtotal	***325,200***	***334,900***	***342,900***	***358,800***	***376,800***

Notes:
(1) Includes both groundwater and treated water; SCVWD conservation; and new supplies.
(2) Additional District supplies beyond 2020 to be determined through IWRP framework.
(3) Assumes SFPUC's Regional Water Supply Improvement Program will be completed by 2015.
(4) Recycled water projections based on estimates provided by county recycled water producers.

This page replaces the next page. Revised Table 6-7 and 6-8

Table 6-7 Santa Clara Valley Subbasin, Projected Supplies, Dry Year

Santa Clara Valley Subbasin, Projected Supplies, Dry Year (Acre-feet, rounded to the nearest hundred)					
Source	**-2010-**	**-2015-**	**-2020-(2)**	**-2025-(2)**	**-2030-(2)**
District Supplies(1)	260,400	263,900	266,900	278,400	292,100
SFPUC(3)	48,500	51,100	52,200	53,400	54,700
Other Local	2,000	2,000	2,000	2,000	2,000
Recycled Water(4)	14,300	17,900	21,800	25,000	28,000
Subtotal	***325,200***	***334,900***	***342,900***	***358,800***	***376,800***

Notes:
(1) Includes both groundwater and treated water; SCVWD conservation; and groundwater reserves.
(2) Additional District supplies beyond 2020 to be determined through IWRP framework.
(3) Assumes SFPUC's Regional Water Supply Improvement Program will be completed by 2015.
(4) Recycled water projections based on estimates provided by county recycled water producers.

Table 6-8 Santa Clara Valley Subbasin, Projected Supplies, Multiple Dry Year Average

Santa Clara Valley Subbasin, Projected Supplies, Normal Year (Acre-feet, rounded to the nearest hundred)					
Source	**-2010-**	**-2015-**	**-2020-(2)**	**-2025-(2)**	**-2030-(2)**
District Supplies(1)	257,400	260,900	263,900	275,400	289,100
SFPUC(3)	48,500	51,100	52,200	53,400	54,700
Other Local	5,000	5,000	5,000	5,000	5,000
Recycled Water(4)	14,300	17,900	21,800	25,000	28,000
Subtotal	***325,200***	***334,900***	***342,900***	***358,800***	***376,800***

Notes:
(1) Includes both groundwater and treated water; SCVWD conservation; groundwater reserves; and new supplies.
(2) Additional District supplies beyond 2020 to be determined through IWRP framework.
(3) Assumes SFPUC's Regional Water Supply Improvement Program will be completed by 2015.
(4) Recycled water projections based on estimates provided by county recycled water producers.